

FORTIETH ANNUAL REPORT OF THE  
BOARD OF ACTUARIES OF THE  
CIVIL SERVICE RETIREMENT SYSTEM

LETTER

FROM

CHAIRMAN, UNITED STATES CIVIL SERVICE  
COMMISSION

TRANSMITTING

THE FORTIETH ANNUAL REPORT OF THE BOARD OF  
ACTUARIES OF THE CIVIL SERVICE RETIREMENT SYSTEM  
FOR THE FISCAL YEAR ENDED JUNE 30, 1960, PURSUANT  
TO THE CIVIL SERVICE RETIREMENT ACT



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**LETTER OF TRANSMITTAL**

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U.S. CIVIL SERVICE COMMISSION,  
*Washington, D.C., March 30, 1962:*

Hon. JOHN W. McCORMACK,  
*Speaker of the House of Representatives.*

DEAR MR. SPEAKER: The Commission is pleased to send you herewith the 40th Annual Report of the Board of Actuaries of the Civil Service Retirement System for the fiscal year ended June 30, 1960, submitted in pursuance of section 16 of the Civil Service Retirement Act.

The report has also been sent to the President of the Senate.

Sincerely yours,

JOHN W. MACY, Jr., *Chairman.*

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**LETTER OF SUBMITTAL**

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NEW YORK, N.Y., *March 9, 1962.*

U.S. CIVIL SERVICE COMMISSION,  
*Washington, D.C.*

DEAR COMMISSIONERS: The Board of Actuaries appointed under section 16(g) of the Civil Service Retirement Act has the honor to submit herewith its 40th annual report on the operation of the fund.

The report gives a statement of the Government appropriation necessary to finance the fund on the normal cost-plus-interest basis, under the benefit and contribution provisions of the act as amended to June 30, 1960, and on the basis of the estimated membership of the fund as of that date.

The Board wishes to record its great loss in the death of its member, Mr. Otto C. Richter, on February 17, 1962. The Board was most fortunate to have had the benefit of Mr. Richter's services in the preparation of the present report, having in fact, received his verbal approval of the report on the day preceding his death. As a result of the experience gained from his service as an actuary, the advice he was able to give was always of great help.

Respectfully submitted.

GEORGE B. BUCK, Jr.,  
R. R. REAGH,  
*Board of Actuaries, Civil Service Retirement System.*

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## 40TH ANNUAL REPORT OF THE BOARD OF ACTUARIES OF THE CIVIL SERVICE RETIREMENT SYSTEM

The civil service retirement and disability fund was established in 1920 to furnish retirement benefits to officers and employees of the U.S. Government who become superannuated in governmental service, or incapacitated before attaining old age. The Retirement Act makes provision for a Board of Actuaries of the Civil Service Retirement System and in section 16(g) defines the chief duties of the Board, as follows:

\* \* \* to report annually upon the actuarial status of the system and to furnish its advice and opinion on matters referred to it by the Commission, and it shall have the authority to recommend to the Commission and to the Congress such changes as in the Board's judgment may be deemed necessary to protect the public interest and maintain the system upon a sound financial basis. The Commission shall keep or cause to be kept such records as it deems necessary for making periodic actuarial valuations of the Civil Service Retirement System, and the Board shall make such valuations at intervals of five years, or oftener if deemed necessary by the Commission. \* \* \*

This report, which has been prepared as of June 30, 1960, is the 40th annual report of the Board of Actuaries. The report gives first a summary of the main benefit and contribution provisions of the act as amended during 1960. This summary is followed by an estimate of the present membership and a table showing the number and amount of annuities in force on June 30, 1960. The report next gives a discussion of the appropriation payable by the Government for the support of the fund. Statements giving the results of a valuation of the liabilities on account of annuities in force as of June 30, 1960, and the results of the mortality experience of annuitants for the past year are then submitted. In conclusion, the Board gives certain comments on the present operation of the fund.

### SUMMARY OF BENEFIT AND CONTRIBUTION PROVISIONS OF THE CIVIL SERVICE RETIREMENT ACT

The following summary states the main benefit and contribution provisions of the Retirement Act currently in effect as they were interpreted by the Board of Actuaries. "Average salary" is used to denote the average annual basic salary received by the employee during any 5 consecutive years of creditable service which affords the highest average. "Lump-sum credit" means the unrefunded amount consisting of the retirement deductions made from the employee's basic salary; any sums deposited by the employee covering prior service; and interest on such deductions and deposits, at 4 percent per annum to December 31, 1947, and at 3 percent per annum thereafter, compounded annually to December 31, 1956, or, in the case of an employee who separates before he has 5 years of service, to the date of separation. The lump-sum credit does not include interest if the service covered thereby aggregates 1 year or less.

# BENEFITS

## *Service retirement*

*Condition for eligibility.*<sup>1</sup>—Retirement is compulsory at age 70 after 15 years of service, with certain exceptions.

Retirement is permissible at the option of the employee at age 60 after 30 years of service or at age 62 after 5 years of service. A Member of Congress may retire at age 60 after 10 years of Member service.

At the option of the employee at age 55 after 30 years of service, or upon involuntary separation not due to misconduct or delinquency after 25 years of service, or after age 50 and 20 years of service, or upon separation from service of a Member of Congress other than by resignation or expulsion after age 50 and after having served in 9 Congresses, an immediate annuity is payable equal to the regular annuity reduced by one-twelfth of 1 percent for each full month not in excess of 60, and one-sixth of 1 percent for each full month in excess of 60 the employee is under age 60.

*Amount of benefit.*<sup>2</sup>—The annuity is equal to—

(1) The larger of—

(a) 1½ percent of the employee's average salary multiplied by so much of his total service as does not exceed 5 years; or

(b) 1 percent of the employee's average salary, plus \$25, multiplied by so much of his total service as does not exceed 5 years; plus

(2) The larger of—

(a) 1¼ percent of the employee's average salary multiplied by so much of his total service as exceeds 5 years but does not exceed 10 years; or

(b) 1 percent of the employee's average salary, plus \$25, multiplied by so much of his total service as exceeds 5 years but does not exceed 10 years; plus

(3) The larger of—

(a) 2 percent of the employee's average salary multiplied by so much of his total service as exceeds 10 years; or

(b) 1 percent of the employee's average salary, plus \$25, multiplied by so much of his total service as exceeds 10 years.

No annuity is to exceed 80 percent of the employee's average salary exclusive of that provided by voluntary contributions.

## *Disability retirement*

*Condition for eligibility.*—Retirement is permissible upon disability after 5 years of civilian service.

*Amount of benefit.*—The benefit is determined by the same method as used for service retirement. The minimum annuity is 40 percent of the employee's average salary but never greater than the annuity

<sup>1</sup> Certain employees who have rendered 20 years of service in the investigation, apprehension, or detention of persons suspected or convicted of offenses against the criminal laws of the United States are eligible to retire after age 50 and receive an annuity of 2 percent of average salary multiplied by the number of years of service.

<sup>2</sup> An additional annuity of \$36 for each year of certain specified service in Alaska or on the Isthmus of Panama is allowed officers and employees who are citizens of the United States. The annuity of a congressional employee is computed as above except that for each year of military service and service as a congressional employee, not in excess of 15 years, and for each year of Member service, the annuity is equal to 2½ percent of average salary provided he has at least 5 years of service as a congressional employee or Member or any combination of such service. The annuity of a Member of Congress or of a former Member with title to a Member annuity is computed as above except that if he has had at least 5 years of service as a Member or a congressional employee or any combination of such service, the annuity for each year of Member service and creditable military service and for each year of congressional service not in excess of 15 years, is equal to 2½ percent of average salary; the maximum annuity is 80 percent of final salary exclusive of that provided by voluntary contributions.

he would be entitled to were his service to include the period elapsing between the date of separation and the date he attains age 60. The provision for a minimum benefit does not increase the annuity payable to any survivor.

An individual generally may not receive retirement annuity and compensation for injury or disability to himself from the U.S. employees' compensation fund for the same period, but if eligible for both benefits must choose one or the other. However he may concurrently receive annuity and scheduled disability payments or medical services.

#### *Deferred retirement*

*Condition for eligibility.*—Upon separation from service after 5 or more years of civilian service, a deferred annuity is payable at age 62. A member separated with 10 years of member service may receive a deferred annuity beginning at age 60, or, with 20 years of service (including 10 years member service) may receive a deferred annuity beginning at age 50, reduced as described under "service retirement."

*Amount of benefit.*—The deferred annuity is computed by the same method as the regular annuity.

An employee may elect to receive his lump-sum credit in lieu of the deferred annuity, provided separation occurs and application is filed at least 31 days before the annuity commencing date.

#### *Lump-sum benefits*

Upon separation from active service before completion of 5 years of civilian service, the employee's lump-sum credit is paid to him.

Upon death before 5 years of civilian service or after 5 years of civilian service where there is no survivor entitled to an annuity, the employee's lump-sum credit is paid to his beneficiary.

Upon death of a retired employee before the payments of the annuity equal the lump-sum credit the difference is paid, unless there is a survivor entitled to an annuity. Upon termination of all survivor annuities before total annuity payments equal the lump sum credit, the difference is paid.

#### *Annuities to dependents upon death in active service*

*Condition for eligibility.*—Annuities to dependents are paid upon death of an employee in active service after 5 years of civilian service.

*Amount of benefit.*—(a) If survived by a widow or dependent widower, an annuity beginning after the death of the employee equal to one-half regular annuity is payable until death or remarriage of widow or widower or until the widower becomes capable of self support.

(b) If survived by a widow or widower each surviving child who received more than one-half his support from the employee shall be paid an annuity equal to the smallest of (1) 40 percent of the employee's average salary divided by the number of children, (2) \$600, or (3) \$1,800 divided by the number of children.

(c) If survived by a child or children and there is no widow or widower, each surviving child shall be paid an annuity, equal to the smallest of (1) 50 percent of the employee's average salary divided by the number of children, (2) \$720, or (3) \$2,160 divided by the number of children.

Upon death of the widow or widower, the annuity payable under (b) to a child or children is recomputed and paid as provided in (c).

The annuity payable to a child is terminated upon attainment of age 18, marriage, or death, whichever is earlier, except if such child is incapable of self-support by reason of mental or physical disability incurred before age 18 his annuity is terminated only upon death, marriage, or recovery from such disability.

Upon termination of the annuity of a child, the annuities to other children are recomputed as though the child whose annuity was terminated had not survived the employee.

#### *Optional benefits*

At retirement a married employee may elect to receive in lieu of his or her regular annuity a reduced annuity payable during the employee's life and an annuity payable to the surviving widow or widower equal to 50 percent of as much of his regular annuity before reduction as he designated. The annuity to the survivor commences after the retired employee dies and ceases upon death or remarriage. The reduction in the employee's annuity exclusive of any portion of the annuity payable on account of the minimum provisions in cases of disability retirement is  $2\frac{1}{2}$  percent of so much of the regular annuity as he designated as does not exceed \$2,400, plus 10 percent of any excess over \$2,400.

At service or deferred retirement any unmarried employee in good health may elect to receive in lieu of his regular annuity a reduced annuity payable during his life and an annuity payable after his death to a survivor annuitant equal to 50 percent of such reduced annuity. The annuity payable to the employee is reduced by 10 percent of his regular annuity and by an additional 5 percent of the regular annuity for each full 5 years the person designated is younger than the retiring employee but such total reduction shall not exceed 40 percent.

#### *Annuities to dependents upon death after retirement*

Upon the death of an annuitant, benefits calculated in the same manner and payable under the same conditions as those granted upon the death of employees in active service are payable to surviving children.

### CONTRIBUTIONS

#### *By employees*

Employees other than Members of Congress pay  $6\frac{1}{2}$  percent of salary commencing October 1, 1956. Members of Congress pay 7 $\frac{1}{2}$  percent of salary for Member service commencing October 1, 1956.

Any employee may at his option and under regulations prescribed by the Civil Service Commission deposit additional sums in multiples of \$25 but the total amount deposited for the purchase of an additional annuity may not exceed 10 percent of the employee's basic salary for service rendered since August 1, 1920. Any contributions made by an employee after he has performed sufficient service to entitle him to the maximum annuity are applied to any deposit due and the balance is deemed to be voluntary contributions.

#### *By government*

Beginning July 1957, each employing agency must contribute amounts equal to the deductions of its employees.

While no direct appropriations are required by law,<sup>3</sup> estimates of amounts needed to finance the fund on a "normal cost-plus-interest basis" are to be submitted.

<sup>3</sup>Special appropriations are required for Public Law 85-465.

### ESTIMATED ACTIVE MEMBERSHIP AS OF JUNE 30, 1960

The active membership of the fund as of June 30, 1960, was estimated by the Civil Service Commission to consist of 2,138,000 employees with an annual payroll of \$11,520 million.

### ANNUITANTS ON THE ROLL AS OF JUNE 30, 1960

The following table summarizes the number and amount of annuities in force on June 30, 1960, as shown by the records of annuitants maintained by the Civil Service Commission. On pages 9 to 15 of this report, the distributions of the number and annuities of annuitants on the roll as of June 30, 1960, by age are given.

TABLE I.—The number and annual annuities of annuitants on the roll as of June 30, 1960

Group	Regular annuities		Voluntary annuities		Total annuities
	Number	Amount	Number	Amount	
Retired on account of age and voluntary and involuntary separations:					
Men.....	212,018	\$455,290,452	3,632	\$1,243,416	\$456,533,868
Women.....	51,264	81,417,060	1,865	444,504	81,861,564
Total.....	263,282	536,707,512	5,497	1,687,920	538,395,432
Retired on account of disability:					
Men.....	79,942	120,957,000	588	121,063	121,078,068
Women.....	22,167	28,842,828	287	46,050	28,888,884
Total.....	102,109	149,799,828	875	167,114	149,966,952
Survivors of deceased employees:					
Children.....	24,119	9,496,944			9,496,944
Widows.....	45,217	37,753,968			37,753,968
Widowers.....	41	22,752			22,752
Total.....	69,377	47,273,664			47,273,664
Survivors of deceased annuitants: <sup>1</sup>					
Children.....	5,575	2,156,352			2,156,352
Widows:					
Terminable on death, remarriage or attainment of age 60.....	374	210,324			210,324
Terminable on death or remarriage.....	26,023	27,735,696			27,735,696
Terminable on death only.....	29,920	17,152,452			17,152,452
All others:					
Men.....	940	446,928			446,928
Women.....	178	156,792			156,792
Total.....	63,010	47,858,544			47,858,544
Widows and widowers granted annuities under sec. 2 of Public Law 85-465.....	17,140	8,458,836			8,458,836
Grand total.....	514,918	790,098,384	6,372	1,855,044	791,953,428

<sup>1</sup> Includes voluntary annuities continued to survivors.

### METHOD OF FINANCING PLAN

Each employee contributes 6½ percent of his compensation and each employing agency matches the contributions of its employees. The act does not specifically provide for direct appropriations by the Government but does state that "the Commission shall submit estimates of the appropriations necessary to finance the fund on a normal cost-plus-interest basis and to continue this act in full force and effect." Under this provision, the estimated appropriation submitted by the

Commission should consist of the part of the normal contribution not met by employees' contributions and those of employing agencies, and interest on the deficiency.

The normal contribution rate is the average percentage of the salaries of new employees that is required to be paid into the fund from the time they enter service until they leave service in order to accumulate sufficient funds to pay their benefits. Contributions at the normal contribution rate alone will not support the fund for present employees because there is an accrued liability in the fund for which no appropriations have been made, and which is referred to as the "deficiency." This deficiency arose originally when the fund was established and employees were given credit for their prior service during which no contributions had been made by the Government. This deficiency has grown during the years the fund has operated for various reasons including liberalization of benefits and inadequate contributions. If the deficiency is not to increase in the future the full normal contribution should be met and interest on the deficiency paid. Any amount needed to meet these requirements over and above the contributions provided by members and the matching contributions of the employing agencies will need to be met by Government appropriations if the fund is to be financed on the "normal cost-plus-interest basis."

#### ANNUAL APPROPRIATION OF GOVERNMENT AS OF JUNE 30, 1960

The following statement as of June 30, 1960, gives an estimate of the amount payable by the Government on the basis of the estimated payroll as of that date should it make an annual appropriation equal to the normal cost not met by the contributions of employees and employing agencies plus the interest on the deficiency.

TABLE II.—Total annual contributions required to support the civil service retirement system on the normal cost-plus-interest method prepared as of June 30, 1960

Contribution	Normal cost as—		Deficiency cost as—		Total cost as—	
	Percent of payroll	Annual amount	Percent of payroll	Annual amount	Percent of payroll	Annual amount
Total .....	13.83	\$1,593,216,000	8.11	\$934,279,000	21.94	\$2,527,495,000
Payable by employees .....	6.50	748,800,000	-----	-----	6.50	748,800,000
Payable by employing agencies .....	6.50	748,800,000	-----	-----	6.50	748,800,000
Payable by Government .....	.83	95,616,000	8.11	934,279,000	8.94	1,029,895,000

The normal cost to support the benefits accruing on account of current service is equivalent to 13.83 percent of payroll, which is the normal cost shown in last year's report. The employees contribute 6.50 percent toward the normal cost and the employing agencies match their employees' contributions. Therefore, there remains 0.83 percent to be appropriated by the Government to meet the normal cost. On the basis of the estimated payroll as of June 30, 1960, this represents an annual payment of \$95,616,000. In addition to the normal cost, the table shows a deficiency payment of \$934,279,000 to

meet the accruing interest at 3 percent on the estimated deficiency as of June 30, 1960. Therefore, the total annual appropriation needed in addition to the contributions of employees and employing agencies is \$1,029,895,000, if the fund is to be supported on the "normal cost-plus-interest basis."

The amount of the annual deficiency payment is greater than that shown in last year's report due to the fact that during the fiscal year 1960 no direct appropriation was made by the Government and due to salary increases and expanded coverage under Public Law 86-568. As a result, the deficiency which as of June 30, 1959, was \$28,363 million has increased to approximately \$31,143 million. The increase consists of about \$1,800 million on account of salary increases and expanded coverage and the remainder on account of the unpaid interest on the deficiency at the beginning of the year, the deficiency in interest income and the part of the accruing normal cost, with interest thereon, that exceeded the contributions by employees and the employing agencies. The only direct appropriation made by the Government for the year 1961 was the amount to cover the increases and new annuities granted under Public Law 85-465 for the year 1961. This means that the deficiency next year will again be greater by the amount of the deficit in the normal contribution and the interest on the deficiency. The deficiency is therefore increasing at a rapid rate, and will continue to increase until the full normal cost is met and interest on the deficiency is paid.

LIABILITIES OF FUND ON ACCOUNT OF ANNUITANTS ON THE ROLL  
AS OF JUNE 30, 1960

In accordance with its usual practice, the Board of Actuaries is presenting below the results of a valuation of the liabilities of the fund on account of annuitants on the roll. This valuation, prepared as of June 30, 1960, was based on the mortality tables included in the 38th annual report of the Board. A 3-percent interest rate was used.

TABLE III.—*Liabilities on account of annuitants as of June 30, 1960*

Group	Present value of benefits to annuitants on the roll		
	Regular annuities	Voluntary annuities	Total annuities
Retired on account of age and voluntary and involuntary separation.....	\$4,980,455,000	\$16,044,000	\$4,996,499,000
Retired on account of disability.....	1,468,081,000	1,621,000	1,469,702,000
Reversionary annuities to designated beneficiaries <sup>1</sup> .....	961,042,000	—	961,042,000
Survivorship annuities <sup>1</sup> .....	1,157,453,000	—	1,157,453,000
Total.....	8,567,031,000	17,665,000	8,584,696,000

<sup>1</sup> Includes voluntary annuities.

In the 39th annual report of the Board, the liabilities on account of annuities payable to annuitants on the roll as of June 30, 1959, were shown to be \$7,831,613,000, as compared with \$8,584,696,000 as of June 30, 1960, or an increase in liabilities of more than \$753 million during the year ended June 30, 1960.

SUMMARY OF MORTALITY EXPERIENCE OF ANNUITANTS FOR THE  
YEAR ENDED JUNE 30, 1960

For the purpose of making a check of the mortality tables adopted for annuitants, the actual and expected number of deaths during the past year were compared, separately for men and women who had retired on account of age, or voluntary or involuntary separation from service; and for men and women who had retired on account of disability. The following table summarizes the results of the comparison:

TABLE IV.—Summary of the comparison of the actual and expected deaths among annuitants July 1, 1959, to June 30, 1960

Group	Number of deaths			Ratio of actual cases to expected cases
	Actual	Expected	Difference	
Employee annuitants retired on account of age, voluntary or involuntary separation:				
Men.....	10,767	11,034.9	+267.9	0.976
Women.....	1,390	1,448.1	+58.1	.960
Employee annuitants retired on account of disability:				
Men.....	4,825	5,129.9	+304.9	.941
Women.....	866	865.8	+9.8	.989

A check of the tables used for widows was also prepared this year. The following table summarizes the comparison.

TABLE V.—Summary of the actual and expected terminations among female survivors of deceased employees and annuitants July 1, 1959, to June 30, 1960

Cause of termination	Number of terminations			Ratio of actual cases to expected cases
	Actual	Expected	Difference	
Death <sup>1</sup> .....	3,235	3,253.3	+18.3	0.994
Remarriage.....	925	829.6	-95.4	1.115

<sup>1</sup> Includes deaths among survivors who were granted annuities under Public Law 85-465.

The expected terminations shown in the preceding tables were based on the mortality and termination rates shown in the Board's 38th report. The actual rates of mortality among all classes of annuitants continued to be less than the expected rates. If experience during the next few years shows a similar result, more conservative mortality tables will be necessary.

### CONCLUSIONS

Since the time that the Board submitted its previous report, no fundamental changes in the financing of the fund have occurred except that the deficiency has increased from \$28,363 million as of June 30, 1959, to \$31,143 million as of June 30, 1960, which represents an increase of 9.8 percent. Therefore, the Board feels that it can only reiterate the previous recommendations with the thought that as the deficiency increases the recommendations become even more pertinent. These recommendations are summarized as follows. The supporting arguments have been given in many previous reports.

(1) Direct appropriations should be made by the Government equal to the amount by which the joint contributions of employees and employing agencies fall short of meeting the normal cost, plus the amount of accruing interest on the deficiency.

(2) Actuarial valuations of the fund should be made more frequently, especially when insufficient appropriations are being made and as a result the deficiency is rapidly increasing.

TABLE 1.—The number and regular monthly annuities of annuitants on the roll classified by sex and age as of June 30, 1960—Retired on account of age and voluntary and involuntary separations

Age	Men		Women		Age	Men		Women	
	Number	Monthly annuities	Number	Monthly annuities		Number	Monthly annuities	Number	Monthly annuities
44.....	1	\$261			75.....	7,179	\$1,223,800	1,809	\$228,004
45.....	4	822	1	\$136	76.....	6,718	1,130,945	1,637	201,452
46.....	6	849	1	134	77.....	5,713	955,074	1,373	166,255
47.....	24	4,064	3	427	78.....	5,126	831,790	1,171	144,669
48.....	30	5,308	3	523	79.....	4,209	691,614	956	118,230
49.....	45	9,389	4	545	80.....	3,791	605,552	793	100,443
50.....	63	12,357	14	2,129	81.....	3,221	507,794	697	85,986
51.....	133	29,536	41	6,768	82.....	2,583	406,973	564	71,524
52.....	202	44,907	46	7,803	83.....	2,166	329,350	446	57,728
53.....	240	50,268	49	7,840	84.....	1,915	292,087	401	54,183
54.....	279	58,429	63	9,029	85.....	1,502	232,151	301	37,854
55.....	433	93,320	95	15,514	86.....	1,167	181,820	246	32,221
56.....	1,198	287,117	190	37,261	87.....	868	136,118	178	23,852
57.....	1,553	369,204	283	56,475	88.....	678	104,310	146	18,185
58.....	2,178	519,666	431	86,479	89.....	477	74,201	99	13,225
59.....	2,415	574,647	486	104,773	90.....	368	58,137	87	10,441
60.....	2,979	726,579	676	144,917	91.....	253	40,457	63	7,591
61.....	3,664	935,401	797	181,928	92.....	172	28,506	43	6,109
62.....	5,306	1,254,822	1,394	237,668	93.....	119	18,839	23	2,486
63.....	7,959	1,612,045	2,678	335,495	94.....	90	13,955	25	3,161
64.....	10,419	2,039,366	3,005	391,186	95.....	48	6,746	10	1,208
65.....	12,073	2,269,266	3,235	422,813	96.....	31	4,812	10	1,872
66.....	13,922	2,464,879	3,322	411,138	97.....	25	4,089	5	725
67.....	13,813	2,395,219	3,329	418,828	98.....	10	1,603	3	374
68.....	14,169	2,378,429	3,239	395,303	99.....	12	1,800	2	326
69.....	12,326	2,067,210	2,869	353,001	100.....	4	598	1	24
70.....	12,642	2,142,220	3,023	375,193	101.....	2	188		
71.....	13,504	2,400,260	3,455	442,537	102.....	3	363		
72.....	12,620	2,113,354	3,027	388,785	103.....	1	105		
73.....	10,326	1,709,914	2,360	294,809					
74.....	9,063	1,503,225	2,166	270,200					
					Total.....	212,018	37,940,871	51,264	6,784,755

TABLE 2.—The number and voluntary monthly annuities of annuitants on the roll classified by sex and age as of June 30, 1960—retired on account of age and voluntary and involuntary separations

Age	Men		Women		Age	Men		Women	
	Num-ber	Monthly annuities	Num-ber	Monthly annuities		Num-ber	Monthly annuities	Num-ber	Monthly annuities
49.....	1	\$58			73.....	251	\$7,977	87	\$1,935
50.....			2	\$56	74.....	207	5,732	93	1,681
51.....	2	13	3	60	75.....	175	5,075	98	1,969
52.....	3	198			76.....	152	4,832	60	1,067
53.....	4	120			77.....	137	3,696	62	974
54.....	3	23			78.....	97	2,599	36	696
55.....	6	130	4	145	79.....	94	2,660	37	580
56.....	11	319	4	66	80.....	77	1,702	26	481
57.....	16	384	3	57	81.....	57	1,493	21	275
58.....	16	361	12	238	82.....	35	887	16	251
59.....	25	591	16	451	83.....	32	950	11	128
60.....	30	794	14	497	84.....	35	861	8	122
61.....	45	1,523	25	526	85.....	17	487	6	62
62.....	60	1,467	43	1,076	86.....	14	448	5	60
63.....	105	3,141	70	1,426	87.....	13	273	4	61
64.....	133	4,191	100	1,932	88.....	5	64	2	67
65.....	201	5,940	117	2,415	89.....	4	123	3	19
66.....	207	5,855	132	2,479	90.....	2	123	1	25
67.....	228	6,410	122	2,702	91.....	1	5		
68.....	209	5,554	110	2,122	92.....	1	1		
69.....	191	5,690	118	2,183	93.....	1	38		
70.....	225	6,411	110	2,530	94.....				
71.....	271	8,003	154	3,384	Total.....	3,632	103,618	1,865	37,042
72.....	233	6,616	130	2,254					

TABLE 3.—The number and regular monthly annuities of annuitants on the roll classified by sex and age as of June 30, 1960—Retired on account of disability

Age	Men		Women		Age	Men		Women	
	Num-ber	Monthly annuities	Num-ber	Monthly annuities		Num-ber	Monthly annuities	Num-ber	Monthly annuities
24.....			1	\$116	63.....	4,284	\$571,158	1,085	\$119,259
25.....	2	\$270	1	116	64.....	5,300	665,051	1,097	122,715
26.....	1	102	2	240	65.....	5,099	619,799	986	106,097
27.....	13	1,709	7	804	66.....	4,543	519,628	889	92,454
28.....	23	2,950	11	1,413	67.....	4,089	449,980	796	78,643
29.....	25	3,086	10	1,242	68.....	3,698	388,842	775	77,076
30.....	27	3,302	12	1,423	69.....	2,770	288,030	653	63,457
31.....	52	6,081	17	1,544	70.....	2,443	251,714	636	53,343
32.....	87	10,049	24	2,411	71.....	2,203	222,782	520	53,339
33.....	169	20,247	40	4,401	72.....	1,809	182,187	404	41,380
34.....	199	23,865	44	5,068	73.....	1,292	131,235	328	34,055
35.....	259	30,138	66	6,936	74.....	997	103,653	313	32,669
36.....	312	37,592	87	8,802	75.....	683	77,643	285	28,957
37.....	384	44,999	96	10,217	76.....	615	67,585	217	23,102
38.....	457	53,943	100	10,259	77.....	471	52,250	172	17,641
39.....	514	63,477	112	11,912	78.....	461	49,721	165	17,828
40.....	596	74,091	138	14,900	79.....	364	42,265	140	14,782
41.....	601	72,497	131	14,056	80.....	327	35,963	121	12,714
42.....	633	78,091	159	17,485	81.....	293	34,971	117	13,055
43.....	670	83,471	160	17,886	82.....	238	30,345	93	10,618
44.....	722	97,263	174	18,968	83.....	206	24,876	78	8,698
45.....	757	95,472	209	22,856	84.....	164	20,521	65	7,959
46.....	828	104,649	223	24,537	85.....	113	13,690	47	6,188
47.....	853	109,449	251	27,003	86.....	81	9,878	37	4,626
48.....	944	121,277	318	34,033	87.....	45	5,487	26	5,512
49.....	996	131,441	289	30,310	88.....	57	7,286	46	5,118
50.....	1,147	151,476	345	39,063	89.....	39	4,979	18	2,347
51.....	1,289	174,837	421	45,978	90.....	35	4,543	12	1,644
52.....	1,415	198,179	494	54,204	91.....	6	807	6	835
53.....	1,502	211,631	530	57,056	92.....	9	1,064	5	607
54.....	1,523	217,847	575	63,199	93.....	8	940	2	156
55.....	1,702	248,449	572	62,526	94.....	4	474	3	430
56.....	1,797	273,159	668	78,228	95.....	3	253	1	184
57.....	1,885	282,386	731	81,549	96.....	2	220		
58.....	2,183	320,439	853	94,792	97.....	1	113		
59.....	2,315	355,213	794	89,301	98.....	1	58		
60.....	3,158	470,649	1,160	132,361	Total.....	79,942	10,079,750	22,167	2,403,569
61.....	3,142	460,598	1,070	125,841					
62.....	3,967	566,090	1,233	140,045					

## CIVIL SERVICE RETIREMENT SYSTEM, 1960

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TABLE 4.—The number and voluntary monthly annuities of annuitants on the roll classified by sex and age as of June 30, 1960—Retired on account of disability

Age	Men		Women		Age	Men		Women	
	Num-ber	Monthly annuities	Num-ber	Monthly annuities		Num-ber	Monthly annuities	Num-ber	Monthly annuities
34.....			1	\$1	66.....	30	\$557	15	\$290
42.....	3	\$20			67.....	35	591	10	142
43.....			1	22	68.....	50	1,389	20	295
44.....	2	16	1	4	69.....	29	455	17	191
45.....	2	12			70.....	26	433	9	142
46.....	4	28	1	16	71.....	24	390	17	214
47.....			5	16	72.....	15	287	8	51
48.....	4	49	1	1	73.....	18	229	5	59
49.....	2	8	2	15	74.....	9	68	7	62
50.....	4	50	1	2	75.....	9	82	5	45
51.....	3	61	5	88	76.....	8	117	2	62
52.....	3	129	1	10	77.....	7	61	2	7
53.....	5	57	1	1	78.....	8	203	1	31
54.....	9	82	8	25	79.....	5	89	6	97
55.....	9	128	5	74	80.....			3	28
56.....	12	112	3	18	81.....	3	43	1	8
57.....	10	164	6	130	82.....	3	37	2	36
58.....	19	311	11	184	83.....	3	18	1	4
59.....	14	205	8	53	84.....	2	38		
60.....	13	250	8	102	85.....	1	14		
61.....	23	519	15	181	86.....	1	1		
62.....	21	440	20	204	90.....			1	5
63.....	45	958	18	342					
64.....	43	733	22	349	Total.....	588	10,089	287	3,838
65.....	42	646	11	241					

TABLE 5.—The number and monthly annuities of survivor annuitants on the roll classified by age as of June 30, 1960—Survivors of deceased employees

Age	Children		Widows		Widowers	
	Number	Monthly annuities	Number	Monthly annuities	Number	Monthly annuities
Under 6 months.....	15	\$530				
1.....	104	4,212				
2.....	226	8,877				
3.....	351	13,516				
4.....	480	17,795				
5.....	606	20,895				
6.....	767	25,601				
7.....	907	29,900				
8.....	1,103	35,204				
9.....	1,298	41,108				
10.....	1,468	45,245				
11.....	1,648	52,634				
12.....	1,930	60,688				
13.....	2,277	73,317				
14.....	2,279	74,071				
15.....	2,090	68,395				
16.....	2,221	73,155	1	\$13		
17.....	2,456	82,496				
18.....	1,290	42,327				
19.....	52	1,892				
20.....	15	551	1	45		
21.....	19	720	3	130		
22.....	21	756	1	30		
23.....	24	807	4	207		
24.....	19	680	7	166		
25.....	33	1,166	11	253		
26.....	19	618	16	312		
27.....	20	557	29	902		
28.....	18	628	43	1,485		
29.....	22	898	62	1,932		
30.....	24	820	64	1,818		
31.....	26	917	82	2,647		
32.....	26	824	115	3,907		
33.....	20	748	169	6,509		
34.....	26	881	188	6,769		
35.....	25	888	214	8,923		
36.....	21	788	271	11,348		
37.....	22	584	320	14,568	1	\$75

TABLE 5.—The number and monthly annuities of survivor annuitants on the roll classified by age as of June 30, 1960—Survivors of deceased employees—Con.

Age	Children		Widows		Widowers	
	Number	Monthly annuities	Number	Monthly annuities	Number	Monthly annuities
38.....	29	\$1,073	382	\$16,979		
39.....	24	908	433	20,729		
40.....	18	563	493	24,551		
41.....	9	352	489	24,696		
42.....	10	385	577	30,540		
43.....	10	351	570	29,983		
44.....	17	520	600	34,247	1	\$36
45.....	6	206	744	44,239		
46.....	7	253	779	46,622		
47.....	9	260	825	51,229		
48.....	5	190	926	56,981		
49.....	2	63	915	62,767		
50.....	4	199	1,077	73,095	1	46
51.....	2	52	1,272	82,979	1	52
52.....	2	51	1,398	88,566		
53.....	4	145	1,420	98,819	1	52
54.....	1	41	1,460	100,977	1	17
55.....	1	30	1,594	112,739	1	20
56.....	1	41	1,636	116,479		
57.....			1,705	123,939	3	90
58.....			1,817	128,203		
59.....			1,842	137,832	1	46
60.....			2,138	159,404	2	64
61.....			1,879	140,740		
62.....			2,141	153,360	1	32
63.....			1,793	133,397	1	8
64.....			1,747	138,737		
65.....			1,674	128,178	5	240
66.....			1,532	118,896	6	436
67.....			1,318	101,421		
68.....			1,164	91,632	3	144
69.....			1,014	75,754	3	91
70.....			897	71,567		
71.....			762	60,158	1	33
72.....			618	46,926		
73.....			402	30,585		
74.....			383	28,652	1	66
75.....			320	23,575	2	180
76.....			268	20,002	1	30
77.....			201	14,533	2	80
78.....			136	9,646	1	33
79.....			112	8,081	1	25
80.....			98	6,509		
81.....			55	3,131		
82.....			39	2,020		
83.....			27	1,572		
84.....			18	731		
85.....			10	446		
86.....			8	606		
87.....			4	214		
88.....			6	220		
91.....			1	30		
100.....			1	186		
Total.....	24,119	791,412	45,217	3,146,164	41	1,896

TABLE 6.—The number and monthly annuities of survivor annuitants on the roll classified by age as of June 30, 1960—Survivors of deceased annuitants <sup>1</sup>

## CHILDREN

Age	Number	Monthly annuities	Age	Number	Monthly annuities	Age	Number	Monthly annuities
Under 6 months	5	\$160	20	8	\$310	41	14	\$497
1	17	523	21	10	261	42	14	555
2	28	1,013	22	12	392	43	8	270
3	66	2,281	23	9	289	44	8	324
4	73	2,283	24	13	526	45	9	309
5	122	3,937	25	16	478	46	5	203
6	121	3,733	26	12	456	47	11	456
7	182	5,301	27	7	229	48	6	219
8	202	6,355	28	12	470	49	7	255
9	215	6,721	29	13	409	50	6	185
10	276	8,380	30	13	497	51	8	320
11	295	9,058	31	9	252	52	3	117
12	389	11,924	32	17	557	53	2	54
13	487	15,418	33	12	386	54	3	107
14	556	18,681	34	23	680	55	2	89
15	558	17,825	35	18	648	56	3	103
16	584	19,006	36	15	468	57	1	22
17	629	21,121	37	14	555	58	1	33
18	361	11,760	38	21	776			
19	13	314	39	18	676	Total	5,575	179,696
			40	13	469			

## WIDOWS ANNUITIES TERMINABLE ON DEATH OR REMARRIAGE OR ATTAINMENT OF AGE 50

28	1	\$10	37	10	\$411	45	31	\$1,709
30	1	54	38	11	377	46	38	1,593
31	1	101	39	12	760	47	33	1,756
32	1	39	40	16	655	48	41	1,795
33	3	93	41	18	906	49	26	1,182
34	6	251	42	21	992	50	22	1,313
35	6	182	43	30	1,380			
36	14	381	44	32	1,578	Total	374	17,527

## WIDOWS ANNUITIES TERMINABLE ON DEATH OR REMARRIAGE

20	1	\$17	47	166	\$10,936	71	1,026	\$98,190
22	1	12	48	184	12,665	72	986	96,620
24	1	40	49	208	14,049	73	777	78,505
25	1	16	50	240	17,932	74	693	69,725
26	4	82	51	323	23,935	75	615	63,464
27	1	12	52	364	25,048	76	511	47,751
28	7	267	53	378	30,184	77	365	36,885
29	7	290	54	448	35,189	78	307	27,776
30	5	147	55	553	43,276	79	214	19,668
31	10	328	56	647	54,403	80	167	14,945
32	7	278	57	763	61,378	81	108	10,180
33	17	837	58	883	74,742	82	68	5,332
34	22	886	59	852	73,386	83	53	4,679
35	37	1,539	60	1,136	96,074	84	46	3,881
36	36	1,459	61	1,059	92,579	85	18	1,353
37	43	2,148	62	1,234	108,807	86	18	1,440
38	60	2,744	63	1,104	102,880	87	9	746
39	62	2,928	64	1,249	113,785	88	9	550
40	67	3,245	65	1,274	117,562	89	2	148
41	75	4,219	66	1,271	119,736	90	1	62
42	71	3,587	67	1,253	116,160	91	1	44
43	79	4,278	68	1,270	121,406	92	1	121
44	105	4,927	69	1,104	104,232			
45	100	6,576	70	1,085	107,333	Total	26,023	2,311,308
46	161	10,668						

<sup>1</sup> Includes voluntary annuities continued to survivors.

TABLE 6.—The number and monthly annuities of survivor annuitants on the roll classified by age as of June 30, 1960—Survivors of deceased annuitants<sup>1</sup>—Con.

## WIDOWS ANNUITIES TERMINABLE ON DEATH ONLY

Age	Num-ber	Monthly annuities	Age	Num-ber	Monthly annuities	Age	Num-ber	Monthly annuities
31.....	1	\$55	55.....	234	\$8,773	79.....	1,142	\$59,091
32.....	2	51	56.....	242	9,516	80.....	1,148	60,683
33.....	2	31	57.....	316	12,827	81.....	1,015	54,126
34.....	3	38	58.....	340	13,007	82.....	922	49,992
35.....	2	90	59.....	374	14,764	83.....	770	42,445
36.....	2	25	60.....	530	21,100	84.....	692	36,997
37.....	6	153	61.....	491	19,920	85.....	514	27,579
38.....	7	185	62.....	616	24,556	86.....	392	21,261
39.....	8	172	63.....	625	25,161	87.....	285	16,444
40.....	8	268	64.....	708	28,486	88.....	274	15,449
41.....	17	572	65.....	782	32,807	89.....	170	9,453
42.....	16	517	66.....	853	37,830	90.....	126	6,577
43.....	30	870	67.....	921	38,665	91.....	66	3,584
44.....	33	1,052	68.....	1,053	46,260	92.....	53	2,932
45.....	38	1,141	69.....	1,057	47,308	93.....	43	2,482
46.....	52	1,746	70.....	1,209	55,371	94.....	22	1,150
47.....	60	2,102	71.....	1,227	58,163	95.....	19	941
48.....	80	2,829	72.....	1,404	68,165	96.....	6	335
49.....	80	3,072	73.....	1,298	63,429	97.....	3	170
50.....	111	4,051	74.....	1,420	70,827	98.....	1	44
51.....	134	5,128	75.....	1,328	67,241	99.....	1	54
52.....	149	6,057	76.....	1,445	74,920	100.....	1	28
53.....	165	6,057	77.....	1,335	69,982			
54.....	166	5,977	78.....	1,275	66,637	Total.....	29,920	1,429,371

## ALL OTHERS

Age	Men		Women		Age	Men		Women	
	Num-ber	Monthly annuities	Num-ber	Monthly annuities		Num-ber	Monthly annuities	Num-ber	Monthly annuities
17.....			1	\$30	64.....	20	\$863	2	\$16
25.....	1	\$47			65.....	34	1,330	2	167
28.....		87			66.....	34	1,813	5	263
30.....	1	4			67.....	48	2,165	8	653
31.....	1	3	1	73	68.....	38	1,474	9	524
33.....	2	67			69.....	32	1,265	6	313
34.....	1	13			70.....	27	1,071	6	571
35.....			1	20	71.....	41	1,718	4	472
36.....	1	13			72.....	31	1,251	7	603
37.....			1	79	73.....	25	918	8	945
38.....	2	21	1	35	74.....	27	1,181	7	550
39.....	1	16			75.....	24	1,066	3	348
40.....	1	23	2	45	76.....	42	1,509	4	377
41.....	2	97			77.....	34	1,220	5	410
42.....	1	48	2	48	78.....	26	954	11	992
43.....	2	70			79.....	25	928	5	434
44.....	6	215	2	100	80.....	25	1,058	5	282
45.....	3	99	2	83	81.....	27	965	4	352
46.....	6	144			82.....	15	499		
47.....	6	219	3	236	83.....	18	620	1	35
48.....	6	164	2	56	84.....	18	766	1	185
49.....	6	185	4	170	85.....	22	851	1	98
50.....	6	475	3	251	86.....	10	415		
51.....	9	346	4	185	87.....	12	455		
52.....	15	381	4	322	88.....	14	418		
53.....	10	495	3	214	89.....	3	115	1	136
54.....	8	315	5	378	90.....	8	287		
55.....	15	727	2	48	91.....	2	32		
56.....	17	613	4	289	92.....	1	76		
57.....	16	531	4	106	93.....	3	127		
58.....	8	297	1	128	94.....	1	8		
59.....	22	688	3	263	95.....	1	4		
60.....	14	580	3	185	97.....	1	54		
61.....	13	541	1	163	98.....	1	69		
62.....	23	1,042	6	335					
63.....	23	1,138	8	496	Total.....	940	37,244	178	13,066

<sup>1</sup> Includes voluntary annuities continued to survivors.

TABLE 7.—The number and monthly annuities of widows and widowers granted annuities under sec. 2 of Public Law 85-465 classified by age as of June 30, 1960

Age	Num-ber	Monthly annuities	Age	Num-ber	Monthly annuities	Age	Num-ber	Monthly annuities
43.....	3	\$73	64.....	489	\$18,517	85.....	372	\$16,053
44.....	2	61	65.....	517	20,012	86.....	311	13,410
45.....	3	86	66.....	508	19,807	87.....	226	9,871
46.....	12	434	67.....	573	22,681	88.....	228	10,007
47.....	12	460	68.....	622	24,686	89.....	119	5,106
48.....	15	486	69.....	587	24,378	90.....	128	5,580
49.....	29	896	70.....	682	28,405	91.....	105	4,683
50.....	25	839	71.....	698	29,410	92.....	62	2,688
51.....	40	1,247	72.....	828	35,263	93.....	39	1,655
52.....	62	1,958	73.....	664	28,168	94.....	49	1,968
53.....	63	2,171	74.....	744	31,309	95.....	23	968
54.....	78	2,716	75.....	690	29,598	96.....	9	384
55.....	111	3,759	76.....	684	29,929	97.....	5	172
56.....	132	4,436	77.....	709	29,903	98.....	9	362
57.....	172	6,069	78.....	705	30,503	99.....	2	77
58.....	219	7,291	79.....	603	26,005	100.....	2	82
59.....	212	7,671	80.....	608	26,489	101.....	1	88
60.....	329	11,928	81.....	558	24,394	103.....	1	37
61.....	317	11,791	82.....	488	21,315	105.....	1	41
62.....	380	13,897	83.....	452	19,398			
63.....	406	15,306	84.....	416	18,037			
						Total.....	17,140	704,903